

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Currently Amended) The method of claim 5, ~~further comprising~~ wherein setting one of plural values for the quality-of-service field comprises:

setting a first value for the quality-of-service indicator field in the Internet Protocol packet if a first rate is determined; and

setting a second value for the quality-of-service indicator field in the Internet Protocol packet if a second rate is determined.

3. (Previously Presented) The method of claim 5, wherein determining one of plural rates comprises determining one of plural rates of an adaptive multi-rate codec.

4. (Currently Amended) A method of communications, comprising:  
determining one of plural rates to code data for communication over a network;  
encapsulating the data in ~~[[a]]~~ an Internet Protocol (IP) packet having a quality-of-service indicator field;  
setting one of plural values for the quality-of-service indicator field in the IP packet based on the determined one of plural rates; and  
transmitting the packet over a wireless link.

5. (Currently Amended) A method of communications, comprising:  
determining one of plural rates to code data for communication over a network;  
encapsulating the data in ~~[[a]]~~ an Internet Protocol (IP) packet having a quality-of-service indicator field; and  
setting one of plural values for the quality-of-service indicator field in the IP packet based on the determined one of plural rates;  
~~wherein encapsulating the data in the packet comprises encapsulating the data in an Internet Protocol packet.~~

1           6.       (Previously Presented) The method of claim 5, wherein setting one of plural  
2 values for the quality-of-service indicator field comprises setting one of plural values for a  
3 differentiated services field in the Internet Protocol packet.

1           7.       (Previously Presented) The method of claim 5, wherein determining one of plural  
2 rates to code data comprises determining one of plural rates to code real-time data.

1           8.       (Previously Presented) The method of claim 5, wherein determining one of plural  
2 rates to code data comprises determining one of plural rates to code audio data.

1           9.       (Previously Presented) An article comprising at least one storage medium  
2 comprising instructions that when executed cause a system to:  
3                   determine one of plural rates to code data for communication over a network; and  
4                   set one of plural quality-of-service values in an Internet Protocol packet, based on  
5 the determined one rate, to carry the data over the network.

1           10.      (Original) The article of claim 9, wherein the instructions when executed cause  
2 the system to determine one of plural rates by determining one of plural rates of an adaptive  
3 multi-rate codec.

1           11.      (Previously Presented) The article of claim 9, wherein the instructions when  
2 executed cause the system to set one of the plural quality-of-service values by setting one of  
3 plural differentiated services field values in the Internet Protocol packet.

1           12.      (Cancelled)

1           13.      (Original) The article of claim 9, wherein the instructions when executed cause  
2 the system to set one of the plural quality-of-service values by setting one of plural differentiated  
3 services code points.

1           14.   (Original) The article of claim 9, wherein the instructions when executed cause  
2 the system to determine one of plural rates to code one of audio data and video data.

1           15.   (Previously Presented) A system comprising:  
2               a codec adapted to code real-time data; and  
3               a controller adapted to vary a codec rate and to set one of plural quality-of-service  
4 indicator values in a quality-of-service field of an Internet Protocol packet based on the codec  
5 rate.

1           16.   (Currently Amended) A system comprising:  
2               a codec adapted to code real-time data;  
3               a controller adapted to vary a codec rate and to set one of plural quality-of-service  
4 indicator values in an Internet Protocol (IP) packet based on the codec rate; and  
5               an interface to a wireless link to communicate the IP packet.

1           17.   (Original) The system of claim 15, wherein the codec comprises an adaptive  
2 multi-rate codec.

1           18.   (Previously Presented) The system of claim 15, wherein the controller comprises  
2 application software to set the one of plural quality-of-service indicator values.

1           19.   (Original) The system of claim 18, further comprising a network layer to  
2 encapsulate the data in a packet to carry the one quality-of-service indicator value.

1           20.   (Original) The system of claim 19, wherein the network layer comprises an  
2 Internet Protocol layer.

1           21.   (Original) The system of claim 15, further comprising a Real-Time Protocol  
2 module adapted to encapsulate the real-time data in a Real-Time Protocol packet.

1           22.   (Original) The system of claim 15, wherein the controller is adapted to set one of  
2 plural quality-of-service indicator values by setting one of plural differentiated services code  
3 points.

1           23.   (Previously Presented) A system comprising:  
2                   a network interface to receive plural Internet Protocol (IP) packets from a  
3 network;  
4                   a plurality of queues to store the IP packets, each IP packet containing a quality-  
5 of-service indicator, the plural IP packets containing different quality-of-service indicator values  
6 that correspond to different coding rates; and  
7                   a controller adapted to store each IP packet in one of the plurality of queues based  
8 on the quality-of-service indicator value in the IP packet.

1           24.   (Previously Presented) The system of claim 23, wherein the IP packets contain  
2 conversational data.

1           25.   (Original) The system of claim 23, wherein the coding rates comprise rates of an  
2 adaptive multi-rate codec.

1           26.   (Original) The system of claim 23, wherein the quality-of-service indicator  
2 values comprise differentiated services code points.